

BALANCING PRIORITIES: DEVELOPING A MONITORING NETWORK TO MEET MULTIPLE NEEDS

Facilitator

Charles S. Spooner, US EPA Office of Water, Washington, DC

Presenters

Charles Spooner, US EPA Office of Water, Washington, DC

James Harrison, Water Management Division, EPA Region IV, Atlanta, GA

Al Korndoerfer, Chief, Bureau of Freshwater and Biological Monitoring, New Jersey Department of Environmental Protection, Trenton, New Jersey

Workshop Description

State agencies are faced with increasing mandates to conduct water quality monitoring while at the same time the available resources to support monitoring are declining. In developing their monitoring strategies, the states must make efficient use of a variety of monitoring techniques, such as probabilistic and targeted approaches, and must assign priorities to their monitoring objectives. This workshop will draw on the experiences of several states to present approaches that have proven effective. It is anticipated that discussion of these experiences will lead to the development of guiding principals that can be used by others as they develop their strategies.

The workshop will start with a review of the structures used in multiple-objective planning and discuss how that structure might be applied to monitoring decisions that require networks of stations serve multiple monitoring needs. It will then go to a comparison of approaches to networks and discuss how objectives described by time, space, purpose and intensity can be considered. It will then discuss how predictive tools can supplement monitoring networks to bridge across areas with insufficient network coverage.